

HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2005

Serious Incidents*

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Air					
Broken Component or Device	1	0	0	0	8,500
Conveyer or Material Handling Equipment Mishap	1	0	0	0	0
Defective Component or Device	2	1	0	0	0
Dropped	2	40	8	0	0
Forklift Accident	2	0	0	0	1,075
Human Error	3	0	0	0	0
Improper Preparation for Transportation	3	0	0	0	0
Over-pressurized	1	0	0	0	0
Valve Open	1	0	0	0	0
Cause Not Reported	3	1	3	0	3,000
Highway					
Abrasion	3	0	1	0	137,500
Broken Component or Device	8	2	3	0	66,770
Conveyer or Material Handling Equipment Mishap	5	0	0	0	96,826
Corrosion - Exterior	1	0	0	0	12,346
Corrosion - Interior	4	0	0	0	33,250
Defective Component or Device	17	1	9	4	186,340
Deterioration or Aging	10	0	0	0	67,386
Dropped	6	0	0	0	49,858
Fire, Temperature, or Heat	10	7	7	8	3,756,603
Forklift Accident	4	0	0	0	2,900
Freezing	2	0	0	4	100,000
Human Error	65	5	6	12	3,522,749
Impact with Sharp or Protruding Object (e.g., nail)	13	1	6	8	1,022,854
Improper Preparation for Transportation	7	2	1	0	85,617
Inadequate Accident Damage Protection	1	0	0	0	81,000
Inadequate Blocking and Bracing	5	0	1	0	86,045
Inadequate Preparation for Transportation	1	0	0	0	0
Inadequate Procedures	1	0	0	0	0
Loose Closure, Component, or Device	2	0	0	0	12,020
Misaligned Material, Component, or Device	1	0	0	0	0
Missing Component or Device	1	0	0	0	1,242
Overfilled	14	0	0	0	425,516
Over-pressurized	4	3	0	0	5,371
Rollover Accident	99	2	6	20	12,667,067
Too Much Weight on Package	1	2	1	0	0
Valve Open	2	0	0	0	7,509
Vehicular Crash or Accident Damage	67	0	17	12	6,079,553
Water Damage	1	0	0	0	60,000
Cause Not Reported	86	12	4	24	6,054,475

**HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2005**

Serious Incidents*

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Rail					
Abrasion	1	0	0	0	6,056
Broken Component or Device	9	20	1	0	411,702
Commodity Polymerization	1	0	0	0	0
Corrosion - Interior	7	1	0	0	715,494
Defective Component or Device	10	0	6	0	81,459
Derailment	15	77	557	4	11,245,871
Deterioration or Aging	1	0	0	0	1,584
Freezing	1	0	0	0	1,800
Human Error	3	0	0	0	12,192
Impact with Sharp or Protruding Object (e.g., nail	3	0	0	0	48,125
Inadequate Accident Damage Protection	1	0	0	0	15,500
Inadequate Blocking and Bracing	1	0	0	0	2,000
Inadequate Preparation for Transportation	1	0	0	0	0
Incompatible Product	1	1	0	0	656,066
Incorrectly Sized Component or Device	2	0	0	0	29,004
Loose Closure, Component, or Device	13	0	0	0	95,566
Misaligned Material, Component, or Device	1	0	0	0	16,928
Missing Component or Device	2	0	0	0	29,000
Overfilled	1	0	0	0	12,600
Over-pressurized	2	0	1	0	0
Rollover Accident	2	0	0	0	21,400
Threads Worn or Cross Threaded	1	0	0	0	6,260
Too Much Weight on Package	1	0	0	0	40,000
Valve Open	1	0	0	0	2,700
Vehicular Crash or Accident Damage	1	0	0	0	1,368
Cause Not Reported	20	20	1	0	495,622
Water					
Dropped	1	0	0	0	65,500
Human Error	1	0	0	0	4,000
Totals By Mode					
Air Incidents	19	42	11	0	12,575
Highway Incidents	441	37	62	92	34,620,797
Rail Incidents	102	119	566	4	13,948,297
Water Incidents	3	0	0	0	73,500
Total - 2005	564	198	639	96	48,651,169

Note: Due to multiple causes being involved in a single incident, the totals above may not correspond to the totals in the other reports.

HAZARDOUS MATERIALS SAFETY

HAZARDOUS MATERIALS INFORMATION SYSTEM

HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2005

Serious Incidents*

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		

* PHMSA revised the definition of a serious incident in 2002. This is the current definition:

- a fatality or major injury caused by the release of a hazardous material,
- the evacuation of 25 or more persons as a result of release of a hazardous material or exposure to fire,
- a release or exposure to fire which results in the closure of a major transportation artery,
- the alteration of an aircraft flight plan or operation,
- the release of radioactive materials from Type B packaging,
- the release of over 11.9 gallons or 88.2 pounds of a severe marine pollutant, or
- the release of a bulk quantity (over 119 gallons or 882 pounds) of a hazardous material.